Sandia National Laboratories

Sandia grew out of America's World War II atomic bomb development effort. Today, keeping the U.S. nuclear stockpile safe, secure, and reliable remains a major part of Sandia's work. But Sandia's role has evolved to address other national security threats facing our country. Sandia carries out research and development in the following areas:

Nuclear Weapons – Supporting U.S. deterrence policy by helping sustain, modernize, and protect the nuclear arsenal.

Defense Systems & Assessments – Supplying new capabilities to our defense and national security communities.

Energy, Climate & Infrastructure Security – Ensuring the stable supply of energy and resources and protection of infrastructure.

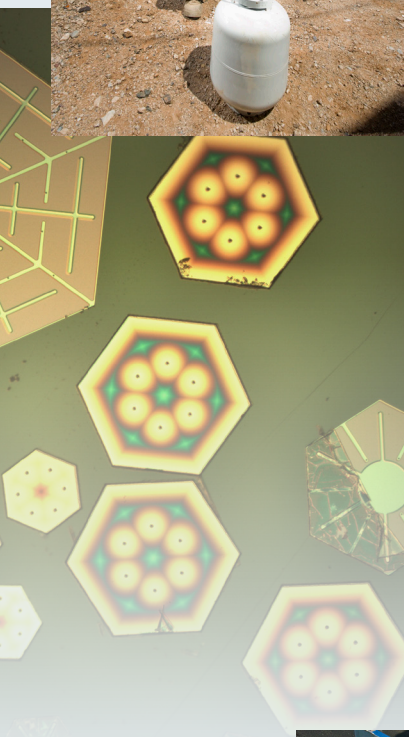
International, Homeland, & Nuclear Security – Focusing on the protection of nuclear assets and nuclear materials, and providing nuclear emergency response and nonproliferation worldwide.

Homeland Security & Defense – Securing society against high-consequence terrorist threats and national incidents, and protecting our military at home and abroad.

Sandia's science, technology, and engineering mission is to provide a capable research staff working at the forefront of innovation, collaborative research with universities and companies, and discretionary research projects.

People

Sandia is staffed by approximately 9,800 individuals, including full-time and limited-term employees, contractors, students, and post-doctoral researchers.



Budget

Sandia's fiscal year 2009 budget was $2.4 billion.
Sandia's fiscal year 2010 budget was $2.36 billion.

Capabilities

Meeting tomorrow's national security challenges will require readiness and rapid innovation in key areas including:

- High-performance computing, modeling, and simulation
- Extreme-environment testing at unique facilities
- Intelligent microsystems
- Nanotechnologies

Collaboration

Sandia's customers and collaborators include many federal, state, and local agencies, companies, and academic institutions. Partnerships are formed through cooperative agreements, licensing, technical assistance, centers of excellence, use of unique Sandia facilities, personnel exchanges, and other mutually beneficial arrangements.

Achievements

Sandia has pioneered such products as cleanrooms for micro-electronics manufacturing, triggers for automobile airbags, and high-resolution radar systems.

Recent achievements include:

- An advanced, power-saving lighting system deployed at the 2010 Academy Awards®, featuring a quiet, zero-emission electric power source running on a pure hydrogen fuel cell
- Satellite sensors that help the nation monitor worldwide nuclear activity from space
- Improved nuclear weapons components that will help maintain U.S. strategic deterrence far into the 21st century
- A solar machine capable of converting air pollutants to liquid fuel

NNSA National Nuclear Security Administration

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Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000. Sand2010-7712P.

U.S. DEPARTMENT OF ENERGY